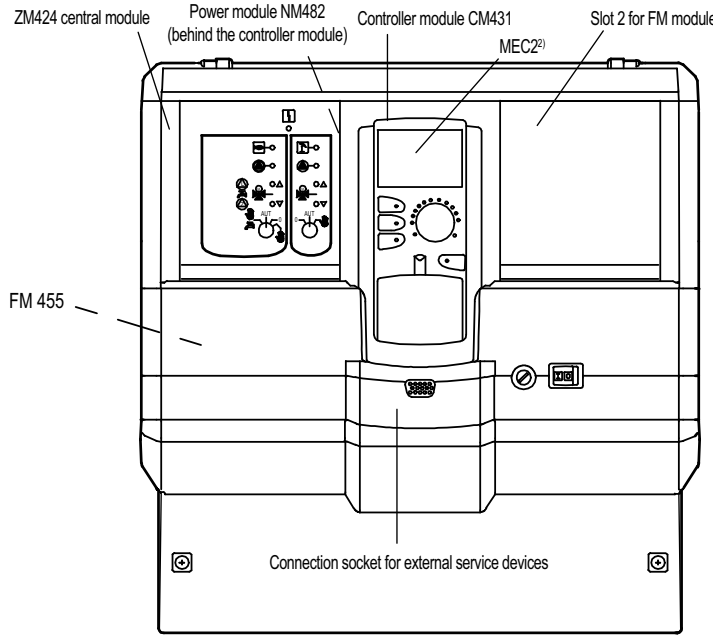


**Note**

Implement the installation, fuse protection, mains isolator, emergency stop switches and protective measures in accordance with local regulations.  
Ensure the power is connected to the correct phases.  
Never use plugs with earth contacts.

**NOTE!** Never use the earth yellow/green conductor as control line.

- 1) The total current drawn must not exceed 10 A.  
Always adhere to this value and check it after commissioning to prevent equipment damage!  
Recommended connecting cable in the cable trunking H 05 V V-F3G 1.0 mm<sup>2</sup> or H 05 V V- F4G 1.0 mm<sup>2</sup>
- 2) **NOTE!** Only one MEC2 can be allocated to each control unit.  
The MEC2 may be plugged into the controller module or be connected via the room installation set (accessory) to one of the ZM.. or FM.. modules.
- 3) When connecting several ECOCAN BUS components, close both S1 switches (terminators on the NM 482) of both outermost ECOCAN BUS subscribers.
- 4) A screen is not required for standard applications. (Terminate the screen only at one end)
- 5) see also service instructions



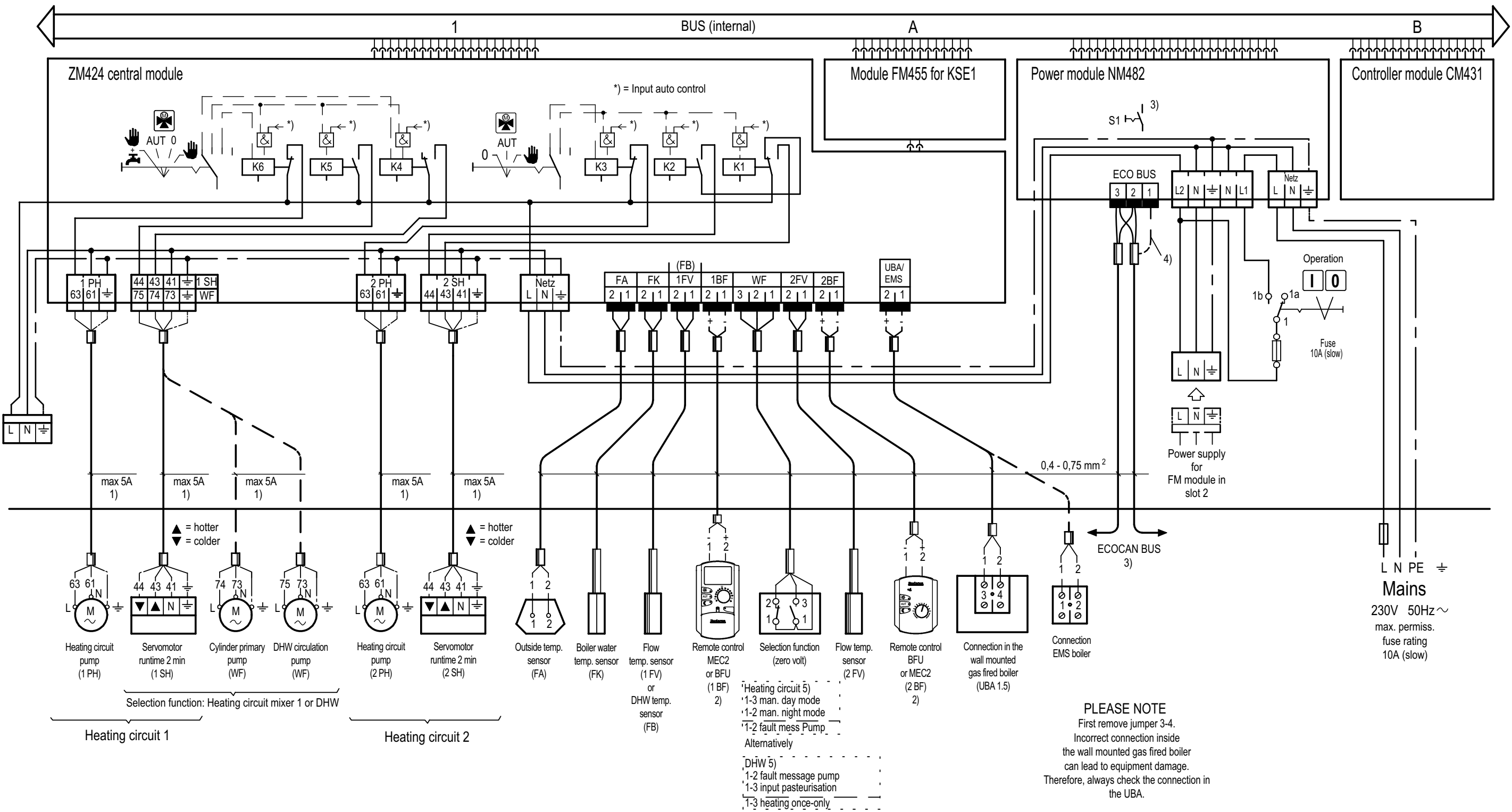
**Switching states**

**Heating circuit 1 / DHW**

Switch position	(1 PH)	(1 SH) or (PZ)	(PL)
	K6	K5	K4
AUT			
0			

**Heating circuit 2**

Switch position	(2 PH)	(2 SH)
	K3	K2
0		
AUT		



- 1) No overflow valve required when using variable speed circulation pumps.
- 2) Tacho setter for hydraulic balance.

- 1) No overflow valve required when using variable speed circulation pumps.
- 2) Tacho setter for hydraulic balance.

- 1) No overflow valve required when using variable speed circulation pumps.
- 2) Tacho setter for hydraulic balance.

- 1) No overflow valve required when using variable speed circulation pumps.
- 2) Tacho setter for hydraulic balance.

Option HK1 with mixer, if  
DHW heating via  
UBA / MC10

BF	remote control MEC 2 or BFU
DA	diaphragm expansion vessel
FA	outside temperature sensor
FB	DHW temperature sensor
FK	boiler water temperature sensor
FV	flow temperature sensor
HK	heating circuit
KR	check valve
PH	heating circuit pump
PS	cylinder primary pump
PZ	DHW circulation pump
RK	boiler return
RS	cylinder return
SA	line regulating and shut-off valve
SH	servomotor, heating circuit (mixer)
SMF	dirt filter
THV	thermostatic radiator valve
TWH	temperature limiter, heating circuit
VK	boiler flow
VS	cylinder flow
ÜV	overflow valve
UBA	universal burner control unit for Buderus wall mounted gas fired boilers
EMS	Energy Management System for Buderus boilers